Index of Claims

| Application No. | Applicant(s) | |
|-----------------|-----------------|--|
| 10/031,904 | AU-YOUNG ET AL. | |
| Examiner | Art Unit | |
| Ruixiang Li | 1646 | |

Rejected Allowed

(Through numeral) Cancelled ÷ Restricted

Non-Elected N Interference

Appeal 0 Objected

| Cla | im | | | | | ate | | | | | | Cla | im | | | | |
|----------|----------------------------|----------|--|---|--------------|----------|--|------------------|----------|--|-------------------|----------|----------|----------|----------------|----------|--------|
| Final | Original | 5/12/04 | | | | | | | | | | Final | Original | | | | |
| | 1 | | | | | | - | | | \dashv | | | 51 | \neg | | | Т |
| | 1 | | | | | _ | | _ | | | | | 52 | | | | |
| | 3 | √ | | | | | | | | | | | 53 | | | | |
| | 4 | √ | | | | | | | | | | | 54 | | | | _ |
| | 5_ | √ | | | | | | L | | | | | 55 | | | _ | |
| | 6 | ✓ | L. | | | | L | L | | | | | 56 | | | \sqcup | L |
| | 7 | ✓ | | | | | - | <u> </u> | | | | | 57 | | <u> </u> | \vdash | ⊢ |
| L | 8 | <u> </u> | <u> </u> | _ | _ | <u> </u> | | <u> </u> | | - | | - | 58 59 | | | ├─ | ⊢ |
| | 9 | √ | <u> </u> | \vdash | _ | _ | ├ | <u> </u> | \vdash | _ | | <u> </u> | 60 | | ┢ | H | ┝ |
| | 11 | √ | | H | H | - | | | \vdash | | | | 61 | | \vdash | \vdash | H |
| | 12 | ~ | | - | _ | - | | - - | | \vdash | | | 62 | | | | T |
| - | 13 | N | | | | | | 1 | | | | | 63 | | | | T |
| | 14 | <u> </u> | 1 | | | | T | | | | | | 64 | | | | |
| | 15 | N | | \Box | | | | | | | | | 65 | | | | |
| | 16 17 | 1 | | | | | | | | | | | 66 | | | <u> </u> | |
| | | | | | | | | | | L | | | 67 | | | ᆫ | ļ., |
| | 18 | <u></u> | | | | L | L | <u> </u> | | L | | | 68 | | <u> </u> | ╙ | L |
| | 19 | ļ | L | <u> </u> | _ | <u> </u> | Ļ., | ┡ | | | | <u> </u> | 69 | _ | _ | ├- | L |
| L | 20 21 | | L | <u> </u> | _ | <u> </u> | 1 | ├ | | | | <u> </u> | 70 | _ | ├— | ⊢ | ⊦ |
| <u> </u> | 21 | 1_ | <u> </u> | _ | _ | | ╀ | ⊢ | <u> </u> | | | <u> </u> | 71 72 | ⊢ | - | ⊢ | ╀ |
| - | 22 | ╁ | | <u> </u> | | - | | \vdash | ┢ | H | | | 73 | - | | ├ | ╁ |
| | 20 | | ├- | <u> </u> | ├ | - | \vdash | \vdash | \vdash | — | | _ | 74 | _ | ┢ | - | t |
| - | 25 | ╁ | | - | 1 | - | +- | + | \vdash | Н | 1 | ├ | 75 | | | 1 | t |
| | 136 | ╁╌ | 1 | 1 | | ┢ | \vdash | 1 | | ┢╌ | ŀ | | 76 | | | | T |
| - | 23 24 25 26 27 | ┢┈ | <u> </u> | 1 | Τ- | | | 1 | | | 1 | | 77 | | | | |
| | 28 | N | \vdash | ļΠ | | | | T | | | | | 78 | | | | L |
| | 29 | | 1 | | | | | | | | | | 79 | | | ┖ | L |
| | 30 | | | _ | | | L | _ | <u> </u> | |] | | 80 | <u> </u> | | ╙ | ╄ |
| | 31 | | | _ | L. | L | ↓ | | <u> </u> | <u> </u> | | | 81 | _ | _ | ↓_ | ╀ |
| | 32 | ↓_ | _ | 1_ | <u>Ļ</u> . | L | _ | ـ | ļ | ├ - | ļ | <u> </u> | 82 | <u> </u> | | ₩ | ╀ |
| - | 33 | ļ_ | ļ | ļ | ļ., | ┡ | ┼ | ┼- | ┢ | ⊢ | ł | <u> </u> | 83 84 | - | ⊢ | ₩ | ╀ |
| <u> </u> | 34 | - | - | ├ | - | ├ | ╀ | \vdash | ⊢ | ├ | 1 | | 85 | | +- | \vdash | ╁ |
| <u> </u> | 35 36 | ┼ | ╁ | ╁ | ┼ | + | + | ╁╌ | - | - | 1 | | 86 | † | †- | + | $^{+}$ |
| <u> </u> | 37 | ╁─ | ╁ | ╁╌ | \vdash | - | ╁┈╴ | ╁╴ | ├ | 1 | 1 | | 87 | | 1 | t | t |
| - | 38 | + | ┪ | +- | \vdash | + | + | 1 | <u> </u> | | 1 | - | 88 | | 1 | | T |
| - | 39 | 1- | T | \vdash | † | <u> </u> | 1 | İΤ | 1 | Г | 1 | | 89 | | | T | I |
| | 40 | \top | † | T | 1 | | Τ | \top | | | | | 90 | | | | I |
| | 41 | | | | | | | П | L | | | | 91 | L | $oxed{}$ | ┺ | ┸ |
| | 42 | | | | | | L | | | L | 1 | L | 92 | | 1 | \perp | 1 |
| | 43 | ļ | <u> </u> | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | <u> </u> | | 1 | ↓_ | ┞- | ot | 1 | | 93 | \vdash | ┼- | 1- | + |
| <u> </u> | 44 | _ | <u> </u> | ↓ | _ | ┡ | \downarrow | ╁- | ╄ | ╄ | 1 | <u> </u> | 94 | ╀ | ╁ | ╀ | +- |
| <u> </u> | 45 | \vdash | ↓_ | \vdash | 1 | \vdash | \vdash | ╁ | \vdash | ╀ | $\left\{ \right.$ | <u> </u> | 95 96 | \vdash | +- | + | + |
| <u> </u> | 46 | + | ┼- | ╂— | ╀ | ┼- | + | + | \vdash | \vdash | + | | 96 | \vdash | +- | +- | + |
| - | 47 48 | +- | +− | + | \vdash | \vdash | +- | ╁ | + | + | 1 | \vdash | 98 | \vdash | + | + | 十 |
| | 49 | + | + | + | \vdash | +- | + | + | + | + | 1 | - | 99 | \vdash | +- | T | t |
| - | 50 | + | + | + | + | $^{+}$ | + | + | 1 | +- | 1 | | 100 | T | 1 | \top | † |
| Ь | 1 20 | | -l— | 1 | 1 | т— | | | _ | | _ | | | | | | _ |

| Cla | im | Date | | | | | | | | | | |
|----------|----------------|----------------|----------|----------|---------------|----------|--------------|----------|-----------|----------|--|--|
| <u> </u> | | Т | Т | | Ī | T | \neg | | Ţ | | | |
| Final | Original | | | | | | | | | | | |
| | 51 52 | | | | | | | | | | | |
| | 52 | | | | | | | _ | _ | _ | | |
| | 53 | | | | | · | | _ | _ | | | |
| | 54 | | | | | | | _1 | _ | | | |
| | 55 | _ | _ | | | | | _ | _ | | | |
| | 56 | _ | _ļ | _ | | _ | _ | \dashv | _ | | | |
| | 57 | _ | _ | _ | | | | | \dashv | | | |
| | 58 | | \dashv | _ | | | - | | | | | |
| <u> </u> | 59 | -+ | 4 | | | | \dashv | \dashv | | | | |
| | 60 61 | \dashv | | _ | - | <u> </u> | | \dashv | | _ | | |
| \vdash | 62 | - | \dashv | | | | - | | -+ | | | |
| | 63 | \dashv | | | | - | \dashv | - | \dashv | | | |
| | 64 | \dashv | - | | _ | \vdash | \vdash | | | _ | | |
| | 65 | -+ | \dashv | | | | Н | | \dashv | | | |
| | 66 | | \dashv | | | | | \neg | | | | |
| - | 67 | | 寸 | | \Box | | | | | | | |
| | 68 | \neg | | _ | | | | | | | | |
| | 69 | ヿ | | | | | | | | | | |
| | 70 | | | | | | | | | | | |
| | 71 | | | | | | | | | | | |
| | 72 | | | | | | | | | | | |
| | 71 72 73 | | | | | | | | | | | |
| | 74 75 | | | | | L | | | | | | |
| | 75 | \Box | | | | L | <u> </u> | | | | | |
| | 76 | | _ | | | | | | | | | |
| | 77 | | - | | _ | ⊢ | _ | | | | | |
| - | 78 79 | | _ | | ⊢ | - | | | | - | | |
| | 80 | \dashv | _ | | \vdash | ├ | | - | | | | |
| | 81 | \dashv | | _ | ┢ | H | ╁─ | | | | | |
| - | 82 | Н | - | _ | \vdash | t – | | | | Г | | |
| - | 82 83 | Н | _ | | Ħ | T | \vdash | | | Г | | |
| | 84 | | | | Г | T | Г | | | | | |
| | 85 | | | | | | | | | | | |
| | 86 | | | | | L | | | | | | |
| | 87 | | | | 匚 | | oxdot | | _ | L | | |
| | 88 | Ш | | | <u> </u> | _ | <u> </u> | L | _ | <u> </u> | | |
| | 89 | Ш | | | <u> </u> | ↓_ | - | <u> </u> | _ | | | |
| | 90 | | | _ | \vdash | ↓ | ₩ | <u> </u> | <u> </u> | | | |
| | 91 | — | | <u> </u> | - | | \vdash | ├ | - | - | | |
| | 92 | \vdash | - | \vdash | - | \vdash | ┼ | \vdash | - | | | |
| - | 93 94 | - | - | - | - | ╁ | | \vdash | \vdash | - | | |
| - | 95 | \vdash | | _ | ╁╴ | 一 | \vdash | \vdash | - | <u> </u> | | |
| - | 96 | | | | + | + | + | H | \vdash | - | | |
| | 97 | \vdash | | - | 十 | \vdash | <u> </u> | | - | <u> </u> | | |
| - | 98 | - | | | \vdash | t^- | t | 1 | \vdash | T | | |
| | 99 | | _ | Г | T | \vdash | | | | T | | |
| | 100 | Т | | Г | T | T | Γ | | Γ_ | Π | | |

| Cla | aim | Date | | | | | | | | | | |
|----------|--|----------|----------|--|----------|----------|--------------|--|----------------|----------------|--|--|
| Final | Original | | | | | | | | | | | |
| | 101 | | | | | | | | | \neg | | |
| | 102 | | | | | | | | | | | |
| | 102 103 | | | | | | | | | | | |
| | 104 | | | | | | | | | | | |
| | 105 106 | | | | | | <u>_</u> | | | \Box | | |
| | 106 | | | | | ļ | | | | Щ | | |
| | 107 | | | | | | | | | \Box | | |
| | 108 109 | | | | | | | | | Н | | |
| | 109 | | | | | | _ | | | | | |
| | 110 | ļ | | - | _ | _ | | | | \dashv | | |
| | 111 112 | <u> </u> | | \vdash | | H | | | - | \vdash | | |
| | 112 | H | _ | <u> </u> | | \vdash | ├— | | | \vdash | | |
| | 113 114 | \vdash | - | \vdash | <u> </u> | \vdash | ├ | | \vdash | \vdash | | |
| | 115 | \vdash | - | | - | \vdash | ├ | _ | \vdash | \vdash | | |
| | 116 | \vdash | | | | \vdash | - | \vdash | \vdash | \vdash | | |
| | 116 117 | | | | ┢ | | \vdash | \vdash | | H | | |
| | 118 | | | | _ | | | - | <u> </u> | $\vdash \lnot$ | | |
| | 119 | | \vdash | | | | - | | | | | |
| | 120 | | | | | | | | | П | | |
| | 121 | | | | | | | | | | | |
| | 122 | | | | | | | | Г | | | |
| - | 123 | | | | | | | | | | | |
| | 119 120 121 122 123 124 125 126 | | | | | | | | | | | |
| | 125 | | | | | | L_ | _ | | | | |
| | 126 | | L | | | | <u>_</u> | | | Ц | | |
| | 127 128 129 | _ | | | _ | ╙ | ļ | ļ | ! | | | |
| | 128 | <u> </u> | | <u> </u> | ļ | <u> </u> | <u> </u> | | <u> </u> | | | |
| | 129 | ┡ | <u> </u> | <u> </u> | | ₩ | | <u> </u> | ⊢ | \vdash | | |
| | 130 131 | ⊢ | | L | _ | ╀ | ├ | - | - | Н | | |
| | 131 | - | - | ├ | | ├ | | | | \vdash | | |
| | 132 | ├— | | \vdash | | <u> </u> | ├ | ├ - | − | \vdash | | |
| | 133 134 | ┼— | ┢ | ⊢ | ₩ | ╁ | + | ╀╌ | | Н | | |
| | 135 | ╁ | ┢╌ | ├ | - | ╁ | + | ╁ | +- | H | | |
| | 136 | ┼ | ┢ | ╁─ | \vdash | \vdash | \vdash | +- | ╁╌ | Н | | |
| | 136 137 | + | | \vdash | \vdash | ╁┈ | +- | | t^- | \vdash | | |
| | 138 139 | \vdash | t | 1 | \vdash | \vdash | T | | T | \vdash | | |
| \vdash | 139 | 1 | | 1 | | † | _ | 1 | | | | |
| \vdash | 140 | T | T | | \top | | | T | | | | |
| | 141 | | T | | | | | | | | | |
| | 142 | | | Γ | | | | | | | | |
| | 143 | | | | | | | | | oxdot | | |
| | 144 | | | | L | \Box | L | | 1_ | $oxed{oxed}$ | | |
| | 145 | | 匚 | Ĺ | L | Ļ | <u> </u> | | <u> </u> | | | |
| | 146 | | oxdot | | Ĺ | 1_ | | <u> </u> | \perp | | | |
| | 147 | <u> </u> | L | L | L | ↓_ | ↓_ | _ | ــــ | \vdash | | |
| | 148 | 1 | _ | 1_ | 1_ | \vdash | ļ_ | _ | ↓ _ | ↓ _ | | |
| L | 149 | ↓_ | \vdash | | ↓_ | ↓_ | 1 | Ļ - | ╀ | \vdash | | |
| | 150 | 1_ | | L | L_ | <u></u> | | 1_ | <u></u> | | | |